

**NORTH TEXAS  
GROUNDWATER  
CONSERVATION  
DISTRICT**

**PERMIT HEARING AND BOARD MEETING**

**MUSTANG SUD ADMINISTRATIVE OFFICES  
7985 FM 2931  
AUBREY, TEXAS**

**TUESDAY  
APRIL 9, 2019  
10:00 AM**

# NOTICE OF PUBLIC MEETING

OF THE  
BOARD OF DIRECTORS of the

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT  
at the

Mustang SUD Administrative Offices  
7985 FM 2931  
Aubrey, Texas  
Tuesday, April 9, 2019

## Permit Hearing

The Permit Hearing will begin at 10:00 a.m.

Notice is hereby given that the Board of Directors of the North Texas Groundwater Conservation District ("District") will conduct a permit hearing on the following Production Permit Applications:

### Agenda:

1. Call to Order; establish quorum; declare hearing open to the public; introduction of Board.
2. Review the Production Permit Applications of:

**Applicant:** Prosper Independent School District, 605 E. 7<sup>th</sup> Street, Prosper, TX 75078

**Location of Well:** 15828 Coit Road, Frisco, TX 75035; Latitude: 33°12'22.98"N Longitude: 96°46'14.82"W; on the west side of Coit Road in Frisco between Prestwick Hollow Drive and Jacksboro Lane

**Purpose of Use:** Irrigation

**Requested Amount of Use:** 10,000,000 (10 million) gallons per year

**Production Capacity of Well:** 150 gallons per minute

**Aquifer:** Paluxy Aquifer (Trinity Aquifer)

**Applicant:** Aqua Texas, Inc., 9450 Silver Creek Road, Fort Worth, TX 76108

**Location of Well:** Latitude: 33°5'36.12"N Longitude: 97°23'19.01"W; about 750 feet Northeast of the intersection of FM 407 and South County Line Road near Justin

**Purpose of Use:** Municipal/Public Water System

**Requested Amount of Use:** 15,900,000 (15.9 million) gallons per year

**Production Capacity of Well:** 130 gallons per minute

**Aquifer:** Twin Mountains Aquifer (Trinity Aquifer)

3. Public Comment on the Production Permit Applications (verbal comments limited to three (3) minutes each).

4. Consider and act upon the Production Permit Applications, including designation of parties and/or granting or denying the Production Permit Applications in whole or in part, as applicable.

5. Adjourn or continue permit hearing.

### Board Meeting

The regular Board Meeting will begin upon adjournment of the above noticed Permit Hearing.

Notice is hereby given that the Board of Directors of the North Texas Groundwater Conservation District ("District") may discuss, consider, and take all necessary action, including expenditure of funds, regarding each of the agenda items below:

#### Agenda:

1. Pledge of Allegiance and Invocation.
2. Call to order, establish quorum; declare meeting open to the public.
3. Public comment.
4. Consider and act upon approval of the minutes from the February 12, 2019, Board meeting.
5. Consider and act upon approval of invoices and reimbursements.
6. Receive reports from the following Committees\*:
  - a. Budget and Finance Committee
    - 1) Receive Monthly Financial Information
  - b. Investment Committee
    - 1) Receive Quarterly Investment Report
  - c. Management Plan Committee
    - 1) Receive Annual Report on Management Plan
    - 2) Receive Quarterly Report
  - d. Legislative Committee
    - 1) Receive Update on Legislation of Interest
7. Update and possible action regarding the process for the development of Desired Future Conditions (DFCs).
8. Consider and act upon approval of Interlocal Agreement with Groundwater Management Area 8 districts for funding of next round of joint planning.
9. Consider and act upon compliance and enforcement activities for violations of District rules.
10. General Manager's Report: The General Manager will update the board on operational, educational and other activities of the District.
  - a. Management Plan Update
  - b. Monitoring Well Update

- c. Municipal Designation Setting in City of Frisco
  - d. Database Development Update
11. Open forum / discussion of new business for future meeting agendas.
  12. Adjourn public meeting.

\* Reports from District standing committees will include a briefing by each committee for the Board on the activities of the committee, if any, since the last regular Board meeting.

*The above agenda schedule represents an estimate of the order for the indicated items and is subject to change at any time.*

*These public meetings are available to all persons regardless of disability. If you require special assistance to attend the meeting, please call (855) 426-4433 at least 24 hours in advance of the meeting to coordinate any special physical access arrangements.*

*For questions regarding this notice, please contact Velma Starks at (855) 426-4433, at [ntgcd@northtexasgcd.org](mailto:ntgcd@northtexasgcd.org), or at 5100 Airport Drive, Denison, TX 75020.*

At any time during the meeting or work session and in compliance with the Texas Open Meetings Act, Chapter 551, Government Code, Vernon's Texas Codes, Annotated, the North Texas Groundwater Conservation District Board may meet in executive session on any of the above agenda items or other lawful items for consultation concerning attorney-client matters (§551.071); deliberation regarding real property (§551.072); deliberation regarding prospective gifts (§551.073); deliberation regarding personnel matters (§551.074); deliberation regarding security devices (§551.076); and deliberation regarding cybersecurity (§551.089). Any subject discussed in executive session may be subject to action.

**ATTACHMENT 4**

**MINUTES OF THE BOARD OF DIRECTORS' BOARD MEETING AND PUBLIC HEARING  
NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

**TUESDAY FEBRUARY 12, 2019**

**MUSTANG SUD ADMINISTRATIVE OFFICES  
7985 FM 2931  
AUBREY, TEXAS**

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Members Present:	Ronny Young, Thomas Smith, Maurice Schwanke, Ron Sellman, Evan Groeschel, Allen Knight, Chris Boyd, and David Flusche
Members Absent:	Joe Helmberger
Staff:	Drew Satterwhite, Paul Sigle, Allen Burks, Carolyn Bennett, and Velma Starks
Visitors:	Kristen Fancher, Fancher Legal Wes Spruiell, THI Water Well Dollie Speights, interested citizen

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**Public Hearing**

**Agenda:**

1. Call to Order, declare hearing open to the public, and take roll.

President Ronny Young called the meeting to order at 10 a.m., declared hearing open to the public and took roll.

2. Conduct Show Cause hearing under Rule 9.6 on the following for alleged violations of District Rules, discuss, consider, receive testimony, and take appropriate action, including without limitation authorizing the District to initiate a civil lawsuit to enforce compliance with the District Rules, including recovery of civil penalties, costs, and attorney's fees, and all other appropriate legal and equitable relief.

A. 440 Ranch, 4381 South Highway 377, Aubrey, Texas 76227

No 440 Ranch representative was present. The following letter was received and General Manager Drew Satterwhite read the letter into the record as follows:

"Please let this letter serve as a response for your show cause order scheduled for February 12, 2019. I am 82 years old and there is a good chance I can not appear. However, I will do my best to answer your questions in this writing. We totally cooperated with your organization even to the point of furnishing electric bills and allowing them to test the well. We called many companies to buy a counter to go on the well, none of these companies agreed to do it. There is no such entity as 440 Ranch. We had explained this at one time. The ranch was owned by a

Texas C-corp, Robarosa Corp. Robarosa Corp. was in dire straits financially, it had to file bankruptcy. When it filed bankruptcy, we totally dismantled the well, even to the point to having CoServe remove the meter. As far as I know the well is still dismantled. The Chapter 11 Bankruptcy was not successful. The first lean holder, foreclosed on the ranch. The name of the company that has the ranch now is (SEE BELOW) After the ranch was foreclosed I moved off the ranch. I can assure you, The Robarosa Corp. and I am broke. The IRS has hit me with over \$100,000 in tax liens. If I can be of further assistance in this matter, I would be happy to do so.

Gail Cooper

Jose Martinez; SWE Homes, LP  
6101 Southwest Fwy., Suite 400  
Houston, TX 77057  
Phone: ( 713)-231-1157  
[josem@swhomes.com](mailto:josem@swhomes.com) "

General Manager Drew Satterwhite reported that the 440 Ranch owes a \$1,500 fine from last year. After a detailed discussion the Board decided that legal action to be taken would be to place lien on property if the well is not brought into compliance. The Board discussed contacting the foreclosure bank with a 60 day notice to pay the fees, and bring the well into compliance. If the District decides to proceed with a lawsuit for the \$1,500 fine, attorney fees, additional fees for remaining out of compliance and 2 years usage fees would need to be added to the fine.

Board Member Thomas Smith made the motion that the Board present an offer to the present owner and foreclosure bank with the opportunity to 1) bring the well into compliance and operational within 60 days, provided there is a pump down hole, or 2) have the well capped. The motion includes the authority for the Board President and General Manager to require that the bank spend up to \$5,000.00 in this effort to bring the well into compliance as authorized under the District's Civil Penalty & Enforcement Policy in the rules. If unsuccessful in this undertaking, authorization is also provided for General Counsel to move forward with the standard lawsuit procedures to then file a lien on the property. Board Member David Flusche seconded the motion. Motion passed unanimously.

3. Adjourn or continue show cause hearing.

President Ronny Young adjourned the show cause hearing at 10:18 a.m.

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### **Board Meeting**

The regular Board Meeting will begin at 10:05 a.m. or upon the adjournment of the above-noticed Public Hearing, whichever is later.

#### **Agenda:**

1. Pledge of Allegiance and Invocation

President Ronny Young led the group in the Pledge of Allegiance and Thomas Smith provided the invocation.

2. Call to order, establish quorum; declare meeting open to the public

President Young called the meeting to order 10:18 a.m., established a quorum was present, and declared the meeting open to the public.

3. Public Comment

Mr. Wes Spruiell informed the Board that he was there to answer any questions the Board might have for THI Well Water.

4. Consider and act upon approval of the minutes from the December 11, 2018 board meeting

Motion was made by Ron Sellman to approve the minutes of the December 11, 2018 meeting. The motion was seconded by Evan Groeschel. Board Member Thomas Smith abstained. Motion passed.

5. Consider and act upon approval of invoices and reimbursements

After review and brief discussion Thomas Smith made the motion to approve Resolution No. 2019-01-12-01. Ron Sellman seconded the motion. Motion passed unanimously.

6. Receive reports from the following Committees\*:

a. Budget and Finance Committee

1) Receive Monthly Financial Information

General Manager Drew Satterwhite reviewed the financial information with the Board.

b. Investment Committee

1) Receive Quarterly Investment Report

General Manager Drew Satterwhite presented the Quarterly Investment Report to the Board. The investment strategies approved by the Board are being followed.

c. Management Plan Committee

1) Receive Quarterly Report

General Manager Drew Satterwhite presented the Quarterly Report to the Board. As of December 31, 2,375 wells were registered in the District and a total of 684 inspections had been made.

7. Discussion and possible action on amendments to the District Hydrogeological Report requirements.

General Manager Drew Satterwhite informed the Board the Permanent Rules state an applicant submitting an application for a permit to drill a well capable of producing 200 gpm or more is required to provide a Hydrogeological Report. The amendments to the report being presented



would also require that a water analysis be provided. The District staff researched and found that the Texas A&M AgriLife Extension has a comprehensive sampling program that is reasonable in costs. The analysis performed and associated costs are found in the table below:

<b>1. Routine Analysis (R) (201)</b> (Conductivity, pH, Na, Ca, Mg, K, CO <sub>3</sub> <sup>2-</sup> , HCO <sub>3</sub> <sup>-</sup> , SO <sub>4</sub> <sup>2-</sup> , Cl, P, B, Nitrate-N, Hardness, and SAR)	<b>\$25 per sample</b>
<b>2. R + Metals (202)</b> In addition to Routine Analysis includes: (Zn, Fe, Cu, and Mn)	<b>\$40 per sample</b>
<b>3. R + Titrate of Drip Irrigation (203)</b>	<b>\$33 per sample</b>
<b>4. R + Metals + Titrate for Drip Irrigation (204)</b>	<b>\$47 per sample</b>
<b>5. R + Metals + Heavy metals and Fluoride (205)</b> <small>In addition to test number 2, includes As, Ba, Cr, Cd, F, Ni, Pb.</small>	<b>\$75 per sample</b>
<b>Hardcopy mailed to address listed above</b>	<b>\$2 per invoice</b>

Based upon the table above, the staff recommended requiring all constituents listed in Test #2 be submitted for non-PWS wells producing 200 gpm or more. The applicant could be given Texas A&M AgriLife Extension as an option for performing the analysis. The report would be submitted with the registration.

Board Member Thomas Smith made the motion to make the amendments to the requirements as presented by staff. Board Member Maurice Schwanke seconded the motion. Motion passed unanimously.

8. Discussion and possible action on the creation of a Legislative Committee and any authorizations the Board may want to provide in relation to this Committee.

General Manager Drew Satterwhite apprised the Board that during the last Board meeting the suggestion was made to create a Legislative Committee. The Board discussed creating a committee with the ability to deal with emergency legislative situations, approving up to \$5,000.00 to be expended in legal fees for legislative issues, subsequently bringing the matters to the Board. The Committee was created with Chris Boyd, Ronny Young, and Maurice Schwanke appointed as members.

Board Member Thomas Smith made the motion to create the committee with the ability to deal with emergency legislative situations, authorizing up to \$5,000 to be expended in legal fees and subsequently bringing the matters to the Board. Chris Boyd seconded the motion. Motion passed unanimously.

9. Consider and act upon ordering Brochures for the District's Well Monitoring Program.

General Manager Drew Satterwhite stated the District is in the process of expanding the Well Monitoring Program. The District staff has put together a letter and agreement to be sent to Public Water Systems, outlining wells identified in their system, which are possible candidates for the District's monitoring program. A brochure detailing the program has been developed, which would be sent with the letter and agreement to the Public Water Systems. The Field

Technicians would also carry the brochures with them to pass out during their inspections. The Board discussed the brochures and the amount necessary to accomplish the desired results in obtaining wells for the monitoring program. The Board concluded that 500 brochures would be sufficient for this effort.

Board Member David Flusche made the motion to purchase 500 brochures. Board Member Allen Knight seconded the motion. Motion passed unanimously.

10. Consider and act upon authorizing purchase of District flow meter calibration services.

General Manager Drew Satterwhite reminded the Board NTGCD and RRGCD partnered and purchased a flow meter for the testing of water wells several years ago. As of January 1, 2019, new spacing rules have been implemented which are based on a formula with the variable being the well's production capacity. The new spacing regulations place an added importance on production capacity and it is in the District's best interest to be able to verify meter accuracy. TCEQ does require a public water system to calibrate their meters every three (3) years. Cost for this calibration/verification would be split 50/50; the District's share would be \$300.

Board Member Thomas Smith made the motion to test the meter at a cost of \$300. If a purchase is necessary, additional authorization is provided to the General Manager and Board President to make decisions on purchases up to \$5,000, informing the Board at a later meeting. Maurice Schwanke seconded the motion. Motion passed unanimously.

11. Consider and act upon procedure for completion deadlines on applications submitted under Temporary Rules.

General Manager Drew Satterwhite provided background information for the Board regarding applications submitted prior to adoption of the Permanent Rules. Under the Temporary Rules an applicant had 240 days to drill and complete a well, with an option for an additional 240 day extension. The applicant was also required to commence drilling within 180 days. Under the Permanent Rules an applicant of a non-Public Water System well has 240 days to commence, drill and complete a well with the option of an additional 240-day extension. A Public Water System applicant has 365 days to commence, drill and complete a well with the option of 2 additional 365-day extensions. The Board discussed applications received prior to implementation of the Permanent Rules and that it should fall under the old rules.

Board Member Thomas Smith made the motion that for the deadline purposes, the permanent rule deadlines will apply providing a longer time-frame to commence and complete wells. Ron Sellman seconded the motion. Motion passed unanimously.

12. Update and possible action regarding the process for the Development of Desired Future Conditions (DFCs)

General Manager Drew Satterwhite reported that GMA 8 met and selected WSP along with Blanton & Associates, Inc. as the consultants to perform professional services related to the DFC process. James Beach is the Senior Supervising Hydrogeologist. The Committee that was formed has reviewed a scope from WSP. NTGCD serves as the administrative district and

requested that an interlocal agreement be created between the GMA 8 districts to share in the consultant costs. Plans are for GMA 8 to schedule a meeting in April or May.

- 13. Consider and act upon compliance and enforcement activities for violations of District's Rules.
  - a. THI (Prosper ISD well) Fine

General Manager Drew Satterwhite informed the Board that THI realized that they were in violation of District Rules in drilling a well without registering, and reported the violation to the District. THI paid the \$500 fine for this violation and therefore no other action was needed.

- 14. General Manager's Report: The General Manager will update the Board on operational, educational and other activities of the District.
  - a. Rule Implementation update

General Manager Drew Satterwhite reported letters informing water well drillers and non-exempt well owners of the changes effective January 1, 2019 in adopting the District's Permanent Rules have been mailed. Updated forms have been created and posted on the websites. The first pre-application meeting was has taken place.

- b. Interlocal Agreement with GMA 8

General Manager Drew Satterwhite previously reported on the Interlocal Agreement.

- c. Recognize Paul Sigle for earning his Master's Degree in Engineering

General Manager Drew Satterwhite informed the Board that Paul earned his Master's Degree in Engineering from the University of Arkansas.

- 15. Open forum/discussion of new business for future meetings

Board expressed appreciation to Mustang SUD for allowing the use of their facilities.

- 17. Adjourn public meeting

President Young declared the meeting adjourned at 11:13 a.m.

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\_\_\_\_\_  
Recording Secretary

\_\_\_\_\_  
Secretary-Treasurer

**ATTACHMENT 5**

RESOLUTION NO. 2019-04-01

A RESOLUTION BY THE BOARD OF DIRECTORS OF THE NORTH TEXAS GROUNDWATER  
CONSERVATION DISTRICT AUTHORIZING PAYMENT OF ACCRUED LIABILITIES FOR THE  
MONTH OF APRIL

The following liabilities are hereby presented for payment:

<u>Administrative Services</u>	<u>Amount</u>
GTUA - February 2019	32,090.84
GTUA - March 2019	31,396.96
<u>Consultant</u>	
WSP - For services January 2019	110.00
WSP - For services February 2019	2,380.00
<u>Direct Costs</u>	
NexTraq - GPS Tracking - February 2019	43.15
NexTraq - GPS Tracking - March 2019	39.95
United Systems Technology - accounting software renewal from 3/1/19 - 8/31/19	926.35
<u>Fuel &amp; Maintenance</u>	
NTGCD - Use of RRGCD truck	70.76
<u>Injection Well Monitoring</u>	
Statewide Plat Services - January 2019	50.00
Statewide Plat Services - February 2019	50.00
<u>Legal</u>	
Fancher Legal - January 2018 BOD General Counsel	2,078.00
Fancher Legal - February 2018 BOD General Counsel	2,012.00
<u>Legal Legislative</u>	
Sledge Law - January 2019 Professional Services	3,000.00
<u>Legal-Injection Well Monitoring</u>	
Sledge Law - January 2019 Professional Services	3,807.80
<u>Meetings &amp; Conferences</u>	
Mustang SUD-BOD Room Rental April 2019	75.00
<u>Software Maintenance</u>	
Aquaveo - January 2019 well database maintenance	500.00
Aquaveo - February 2019 Well database maintenance	500.00
<u>Well Production Drillers</u>	
Clay Pitts Water Wells - Refund for credit on account	400.00
<b>GRAND TOTAL:</b>	<b>\$ <u>79,530.81</u></b>

On motion of \_\_\_\_\_ and seconded by

\_\_\_\_\_

the foregoing Resolution was passed and approved on this, the 9th day of April, 2019 by the following vote:

AYE:  
NAY:

\_\_\_\_\_  
President

\_\_\_\_\_  
Secretary/Treasurer

ATTACHMENT 6 A-1

**Balance Sheet**

For General Fund (00)

March 31, 2019

**Assets**

00-01-10001	Checking Account	315,162.68
00-01-10005	Index Account	6,619.98
00-01-10008	Cash- TexStar	767,857.32
00-01-10010	Investments	650,000.00
00-01-10025	Accounts Receivable	33,308.22
00-01-10041	A/R Saratoga UWCD	173.02
00-01-10048	A/R Strittmatter Irrigation	14,000.00
00-01-10050	A/R 440 Ranch	1,500.00
00-01-10052	A/R Alpha Omega	100.00
00-01-10053	A/R AC Denton LLC	1,500.00
00-01-12001	PP Expense	660.22
	<b>Total</b>	<u>1,790,881.44</u>
	<b>Total Assets</b>	<u>\$ 1,790,881.44</u>

**Liabilities and Fund Balance**

00-01-23100	Accounts Payable	44,994.91
00-01-23150	Well Drillers Deposits	45,950.00
	<b>Total</b>	<u>90,944.91</u>
	<b>Total Liabilities</b>	<u>90,944.91</u>
00-01-35100	Fund Balance	1,292,708.63
00-01-35110	Current Year Excess of Revenue over Expenses	510,604.45
	<b>Total</b>	<u>1,803,313.08</u>
	Excess of Revenue Over Expenditures	(103,376.55)
	<b>Total Fund Balances</b>	<u>1,699,936.53</u>
	<b>Total Liabilities and Fund Balances</b>	<u>\$ 1,790,881.44</u>



# North Texas Groundwater Conservation District

## Statement of Revenue and Expenditures

Revised Budget  
For General Fund (00)  
For the Fiscal Period 2019-3 Ending March 31, 2019

Account Number	Current Budget	Current Actual	Annual Budget	YTD Actual	Remaining Budget %
<b>Revenues</b>					
00-01-46001 Well Production Fees	\$ 171,500.00	\$ 0.00	\$ 686,000.00	\$ 402.76	99.94%
00-01-46003 Well Registration Fees	1,666.67	600.00	20,000.00	2,000.00	90.00%
00-01-46010 GMA8 Fees	1,666.67	0.00	20,000.00	0.00	100.00%
00-01-46016 Penalty and Fines	0.00	0.00	0.00	500.00	0.00%
00-01-46100 Interest Inc	250.00	6,533.98	3,000.00	8,271.56	(175.72)%
<b>Total General Fund Revenues</b>	<b>\$ 175,083.34</b>	<b>\$ 7,133.98</b>	<b>\$ 729,000.00</b>	<b>\$ 11,174.32</b>	<b>98.47%</b>

<b>Expenditures</b>					
00-01-77012 Admin-Mileage	\$ 250.00	\$ 119.00	\$ 3,000.00	\$ 653.63	78.21%
00-01-77013 Admin-Secretarial	2,083.33	1,498.00	25,000.00	4,319.00	82.72%
00-01-77014 Admin-Project Coordinator	1,666.67	1,431.00	20,000.00	5,644.50	71.78%
00-01-77015 Admin-GM	5,000.00	4,888.00	60,000.00	15,548.00	74.09%
00-01-77016 Admin-Clerical	2,833.33	3,061.50	34,000.00	10,023.00	70.52%
00-01-77025 Accounting	2,083.33	1,720.50	25,000.00	10,772.25	56.91%
00-01-77027 Auditing	458.33	0.00	5,500.00	0.00	100.00%
00-01-77030 Advertising	166.67	0.00	2,000.00	0.00	100.00%
00-01-77150 Consulting- Hydrogeo	5,000.00	2,380.00	60,000.00	2,490.00	95.85%
00-01-77325 Direct Cost	350.00	344.12	4,200.00	1,439.54	65.73%
00-01-77450 Dues & Subscription	250.00	0.00	3,000.00	358.00	88.07%
00-01-77480 Equipment	833.33	0.00	10,000.00	735.58	92.64%
00-01-77485 Equipment-Database	833.33	0.00	10,000.00	0.00	100.00%
00-01-77500 Fees-GMA8	1,833.33	0.00	22,000.00	3.92	99.98%
00-01-77550 Field Tech	10,416.67	10,223.00	125,000.00	30,402.00	75.68%
00-01-77560 Field Permitting/Geologist	5,833.33	7,015.00	70,000.00	15,203.00	78.28%
00-01-77650 Fuel/Maintenance	291.67	177.35	3,500.00	635.89	81.83%
00-01-77800 Injection Well Monitoring	58.33	0.00	700.00	100.00	85.71%
00-01-77810 Insurance	385.17	339.42	4,622.00	1,018.26	77.97%
00-01-77970 Legal	4,166.67	0.00	50,000.00	4,090.00	91.82%
00-01-77975 Legal-Injection	1,250.00	0.00	15,000.00	3,807.80	74.61%
00-01-77980 Legal-Legislation	1,250.00	0.00	15,000.00	3,000.00	80.00%
00-01-78010 Meetings & Conferences	541.67	370.73	6,500.00	721.44	88.90%
00-01-78310 Rent	200.00	200.00	2,400.00	600.00	75.00%
00-01-78600 Software Maint	416.67	976.35	5,000.00	2,156.23	56.88%
00-01-78610 Telephone	200.00	267.95	2,400.00	828.83	65.47%
00-01-78780 Well Monitoring/Testing	375.00	0.00	4,500.00	0.00	100.00%
<b>Total General Fund Expenditures</b>	<b>\$ 49,026.83</b>	<b>\$ 35,011.92</b>	<b>\$ 588,322.00</b>	<b>\$ 114,550.87</b>	<b>80.53%</b>

**General Fund Excess of Revenues Over Expenditures**    \$    126,056.51    \$    (27,877.94)    \$    140,678.00    \$    (103,376.55)

ATTACHMENT 6 B-1

North Texas Groundwater Conservation District  
Quarterly Investment Report  
For the Quarter Ended  
March 31, 2019

The investment portfolio of the North Texas Groundwater Conservation District is in compliance with the Public Funds Investment Act and the Investment Policy and Strategies.

Presented by North Texas Groundwater Conservation District Investment Officers:



Drew Satterwhite  
General Manager



Debi Atkins  
Finance Officer

Investment Holdings  
3/31/2019

Description	Ratings	Coupon/ Discount	Maturity Date	Settlement Date	Face Amount/Par Value	Book Value	Market Price	Market Value	Life (Day)	Yield
Independent (DDA)		1.80%	4/1/2019	3/31/2019	\$ 314,692.54	\$ 314,692.54	1.00	\$ 314,692.54	1	1.80%
Independent (ISS)		1.50%	4/1/2019	3/31/2019	6,619.98	6,619.98	1.00	6,619.98	1	1.50%
TexStar		2.4112%	4/1/2019	3/31/2019	767,857.32	767,857.32	1.00	767,857.32	1	2.41%
East West		2.8%	9/10/2019	12/10/2018	650,000.00	650,000.00	1.00	650,000.00	163	2.80%
					<u>\$ 1,739,169.84</u>	<u>\$ 1,739,169.84</u>			62	
										(1)

(1) Weighted average life - For purposes of calculating weighted average life, bank accounts, pools and money market funds are assumed to have an one day maturity.

Book/Market Value Comparison

Description	Coupon/ Discount	Maturity Date	December 31, 2018			March 31, 2019		
			Face Amount/ Par Value	Book/Market Value	Purchases/ Adjustments	Sales/Adjust/ Call Maturity	Face Amount/ Par Value	Book/Market Value
Independent (DDA)	1.80%	10/1/2018	\$ 261,598.74	\$ 261,598.74	94,032.70	40,938.90	\$ 314,692.54	\$ 314,692.54
Independent (ISS)	1.50%	10/1/2018	6,398.70	6,398.70	221.28		\$ 6,619.98	\$ 6,619.98
TexStar	1.995%	10/1/2018	260,782.25	260,782.25	507,075.07		\$ 767,857.32	\$ 767,857.32
Legacy Bank	2.42%	3/25/2019	500,000.00	500,000.00		(500,000.00)	-	-
East West	2.80%	9/10/2019	650,000.00	650,000.00			650,000.00	650,000.00
			<u>\$ 1,678,779.69</u>	<u>\$ 1,678,779.69</u>	<u>\$ 601,329.05</u>	<u>\$ (459,061.10)</u>	<u>\$ 1,739,169.84</u>	<u>\$ 1,739,169.84</u>

ATTACHMENT 6 C-2

# NTG NORTH TEXAS GCD GROUNDWATER CID CONSERVATION DISTRICT

COLLIN COUNTY - COOKE COUNTY - DENTON COUNTY

## General Manager's Quarterly Report

Date:

## North Texas GCD Management Plan

This quarterly briefing is being provided pursuant to the adopted Management Plan for the quarter ending March 31, 2019.

### Well Registration Program:

Current number of wells registered in the District: 2416

Aquifers in which the wells have been completed: Trinity and Woodbine

### Well Inspection/Audit Program:

#### 2019 Well Inspections

Month	Collin	Cooke	Denton	Total
January	2	2	40	44
February	5	11	29	45
March	5	4	27	36
April				
May				
June				
July				
August				
September				
October				
November				
December				
<b>Total</b>	<b>12</b>	<b>17</b>	<b>96</b>	<b>125</b>

ATTACHMENT 8



**INTERLOCAL AGREEMENT REGARDING  
GROUNDWATER MANAGEMENT AREA 8 FUNDING FOR DEVELOPMENT OF  
DESIRED FUTURE CONDITIONS JOINT PLANNING**

**THIS INTERLOCAL AGREEMENT REGARDING GROUNDWATER MANGEMENT AREA 8 FUNDING FOR DEVELOPMENT OF DESIRED FUTURE CONDITIONS JOINT PLANNING** (the "*Agreement*") is entered into between the Central Texas Groundwater Conservation District, Clearwater Underground Water Conservation District, Middle Trinity Groundwater Conservation District, North Texas Groundwater Conservation District, Post Oak Savannah Groundwater Conservation District, Prairielands Groundwater Conservation District, Red River Groundwater Conservation District, Southern Trinity Groundwater Conservation District, and the Upper Trinity Groundwater Conservation District (collectively, the "*Participating Districts*" or "*Parties*" and individually a "*Participating District*" or "*Party*"), pursuant to the provisions of the Interlocal Cooperation Act, Chapter 791, Texas Government Code.

**WHEREAS**, each Party is a political subdivision of the State of Texas created under the authority of Article XVI, Section 59, of the Texas Constitution, and operates pursuant to the provisions of Chapter 36 of the Texas Water Code, and each Party's respective enabling act; and

**WHEREAS**, each Party's boundaries are wholly or partially within Groundwater Management Area 8 ("*GMA 8*"), as delineated by the Texas Water Development Board (the "*TWDB*") pursuant to Section 356.21 of TWDB Rules, Title 31 Texas Administrative Code § 356.21, as amended; and

**WHEREAS**, the groundwater conservation districts within GMA 8 ("*GMA Districts*") selected a consultant to perform the services required to develop and prepare the explanatory report required under Section 36.108 of the Texas Water Code (the "Explanatory Report") for the upcoming round of Desired Future Conditions ("*DFCs*") joint planning for the relevant aquifers within GMA 8; and

**WHEREAS**, each Party has the authority provided in Chapter 791, Texas Government Code, its respective enabling act, Chapter 36 of the Texas Water Code, including, but not limited to, Sections 36.1086, 36.205, and 36.207 of the Texas Water Code, as amended, to enter into any and all such contracts as necessary to achieve the intent and purposes set forth herein; and

**WHEREAS**, the Parties desire to contract with each other in support of the collective development of DFCs and preparation of the Explanatory Report; and

**WHEREAS**, the Parties further desire to contract with each other regarding funding of the consultant work required to develop and prepare the next round of DFCs and related Explanatory Report.

**NOW, THEREFORE**, in consideration of the foregoing premises and the mutual promises and agreements of the Parties contained in this Agreement, the Parties agree as follows:

## I. SCOPE AND FUNDING

1.1 **Scope of Services.** The GMA 8 Districts have selected WSP and Blanton & Associates (“*Consultant*”) in accordance with the Professional Services Procurement Act, Chapter 2254, Texas Government Code (“*Act*”), to perform the professional services necessary to fulfill the DFC adoption and development and preparation of the Explanatory Report requirements of Section 36.108 of the Texas Water Code as of the effective date of this Agreement. The scope of work to be provided by Consultant is set forth in **Exhibit A**, attached hereto and incorporated herein for all purposes.

1.2 **Funding of Consultant Services.**

- (a) The GMA 8 Districts have negotiated a contract price pursuant to the Act, which is more particularly set forth in **Exhibit B**, attached hereto and incorporated herein for all purposes. The North Texas Groundwater Conservation District (“*NTGCD*”) has been appointed by the groundwater conservation districts in GMA 8 as the administrative district for GMA 8, and NTGCD shall serve as the entity that will contract with Consultant to perform the services under Section 1.1 of this Agreement; provided, however that each Participating District has the same obligations, interest and right to the data and information prepared by Consultant by virtue of the funding the work performed. The contract between NTGCD and Consultant is entered into on behalf of all of the Participating Districts in the interest of efficiency, and shall at a minimum include terms related to Force Majeure, remedies for breach, and any applicable representations and warranties to ensure timely delivery of the work product set forth in Exhibit A.
- (b) The Participating Districts agree to each fund an equal pro rata share of the total contract price for the performance of the services set forth in Exhibit A. The Participating Districts’ equal pro rata share of costs to perform the services in Exhibit A shall include all costs incurred as set forth under Exhibit B (the “*Primary Costs*”). In the event the Participating Districts agree after the effective date of this Agreement to fund any additional costs for services beyond the Primary Costs, including but not limited to, any item identified as an “Optional Task” in the scope of work in Exhibit A, the Participating Districts hereby agree to fund such additional costs in the same equal pro rata share manner as that for the Primary Costs.
- (c) This Agreement is intended to address the funding of the Primary Costs and only those additional costs incurred as agreed to by all Participating Districts. Nothing in this section or the Agreement shall be construed to require a Party to fund any additional cost beyond the Primary Costs to which that Party does not agree to fund. Similarly, nothing in this section or the Agreement shall be construed as limiting a Party hereto, individually or in conjunction with any other Party/Parties comprising the Participating Districts, from separately funding any other services beyond the Primary Costs.
- (d) In the event a GMA 8 District that is not a Participating District or other entity approved by the Participating Districts desires to contribute funding to the Primary Costs and/or approved additional costs, such contribution shall thereby reduce each

Party's share of the funding on a pro rata basis.

1.3 **Payment of Consultant Services Costs.**

- (a) Upon receipt of an invoice from Consultant, NTGCD shall send an email to each Participating District with the following: (i) a copy of the Consultant invoice; and (ii) a separate invoice from NTGCD reflecting the equal pro rata share due from each Participating District. Payment is due from each Participating District by check mailed to NTGCD not later than thirty (30) days from the date of the NTGCD invoice. NTGCD shall tender one payment to Consultant on behalf of the Participating Districts, and has the discretion whether to do so prior to or after receipt of payment from some or all of the Participating Districts. The Participating Districts agree to provide payment to NTGCD as set forth herein under all circumstances, unless the Participating Districts each agree to halt or refuse payment on a particular Consultant invoice due to a dispute over services performed.
- (b) In the event a Participating District is unable to timely pay for any reason whatsoever (the "***Breaching District***"), such inability to pay does not relieve the Participating District of the funding obligations hereunder, but shall require the other Participating Districts to equally absorb the pro rata share of the Breaching District's amounts owed to NTGCD. Any breach of this Agreement by a Participating District shall result in the non-breaching Participating Districts having the ability to exercise all of the legal rights and remedies available under law and equity against such Breaching District.
- (c) Any funding received from a third party under Section 1.2(d) towards payment of a Consultant invoice or total previously paid by the Participating Districts shall serve as a credit on any future payments owed by the Participating Districts. Any such credit shall be reflected on the following NTGCD invoices delivered to the Participating Districts under Subsection (a) of this section.

II. GENERAL PROVISIONS

- 2.1 **Recitals.** The recitals in this Agreement are true and correct.
- 2.2 **Cooperation.** During the Term of this Agreement, the Parties agree to cooperate at all times in good faith to effectuate the purposes and intent of this Agreement.
- 2.3 **Compliance with Laws.** All activities of the Parties under this Agreement shall be in compliance with all applicable Federal, State, and Local rules, laws, and regulations.
- 2.4 **Authority.** This Agreement is made in part under the authority conferred in Chapter 791, Texas Government Code and Sections 36.1086, 36.205, and 36.207 of the Texas Water Code, as amended. Each Party represents and warrants that it has the full right, power and authority to execute this Agreement.
- 2.5 **Severability.** The provisions of this Agreement are severable and, if any provision of this Agreement is held to be invalid for any reason by a court or agency of competent

jurisdiction, the remainder of this Agreement will not be affected and this Agreement will be construed as if the invalid portion had never been contained herein.

- 2.6 **Assignment.** The assignment of this Agreement by any Party is prohibited without the prior written consent of all of the other Parties. All of the respective covenants, undertakings, and obligations of each of the Parties will bind that Party and will apply to and bind any successors or assigns of that Party.
- 2.7 **Source of Payment; Pledge to Secure Payment.** The Parties represent and covenant that payments to be made by it under this Agreement and under the Consultant Contract shall constitute funds from the current fiscal year's revenues, as appropriated by each Party's Board of Directors through each Party's annual budget adopted in accordance with the applicable procedures of each Party.
- 2.8 **Third Party Beneficiaries.** Except as expressly provided for herein with regard to the Consultant, nothing in this Agreement, express or implied, is intended to confer upon any person or entity, other than the Parties, any rights, benefits, or remedies under or by reason of this Agreement.
- 2.9 **Entire Agreement.** This Agreement contains the entire agreement of the Parties regarding the subject matter hereof and supersedes all prior or contemporaneous understandings or representations, whether oral or written, regarding the subject matter.
- 2.10 **Interpretation and Reliance.** No presumption will apply in favor of any Party in the interpretation of this Agreement or in the resolution of any ambiguity of any provisions hereof. Headings and captions used in this Agreement are for reference purposes only, and shall have no bearing on the interpretation of this Agreement.
- 2.11 **Relationship of Parties.** This Agreement is based upon the active participation of the Parties. Neither the execution nor the delivery of this Agreement shall create or constitute a partnership, joint venture, or any other form of business organization or arrangement between the Parties, except for the contractual arrangements specifically set forth in this Agreement. No Party shall have any power to assume or create any obligation on behalf of the other Party.
- 2.12 **Amendments.** Any amendment of this Agreement must be in writing and will be effective if it is signed by the authorized representatives of each the Parties.
- 2.13 **Applicable Law; Venue.** This Agreement will be construed in accordance with Texas laws. Venue for any action arising hereunder will be in a court of competent jurisdiction.
- 2.14 **Notices.** Any notices given under this Agreement will be effective if (i) forwarded to a Party by hand-delivery; (ii) transmitted to a Party by confirmed telecopy; or (iii) deposited with the U.S. Postal Service, postage prepaid, certified, to the address of the Party indicated below:

[NOTE: INSERT ADDRESSES FOR EACH DISTRICT]

- 2.15 **Counterparts; Effect of Partial Execution.** This Agreement may be executed simultaneously in multiple counterparts, each of which will be deemed an original, but all of which will constitute the same instrument.
- 2.16 **Effective Date.** The effective date of this Agreement shall be the last date of execution of the Parties in the signature pages below.

*(Signature Pages Follow)*

*(Signature page of North Texas Groundwater Conservation District to Interlocal Agreement Regarding Groundwater Management Area 8 Funding for Development of Desired Future Conditions Joint Planning)*

**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT:**

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

ATTEST: \_\_\_\_\_

Printed Name: \_\_\_\_\_

[NOTE: EACH DISTRICT WILL HAVE AN IDENTICAL SIGNATURE PAGE LIKE THIS ONE]

## EXHIBIT A



March 29, 2019

**Subject: Scope of Work for GMA 8 Development and Adoption of DFCs Scope of Work for GMA 8 Development and Adoption of DFCs**

### TASK 1 – JOINT GROUNDWATER PLANNING MEETINGS

WSP and Blanton and Associates (B&A) will work with GMA 8 to align schedules, deadlines, meeting dates, and to open lines of communication between GMA 8 districts, stakeholders, and the TWDB. WSP will participate in ten relevant meetings in conjunction with or on behalf of GMA 8. However, WSP will not be responsible for the scheduling or organization of meetings.

As directed by GMA 8, we will coordinate with district attorneys throughout the process to allow for legal review of the DFCs and Explanatory Report. WSP will work with the GMA 8 administrator to provide input for upcoming agendas, provide technical updates at each meeting to address selected portions of the agenda, and provide guidance for upcoming tasks and deadlines. WSP will review and provide comments on minutes from GMA administrator only and will not interact with individual districts.

B&A will attend selected GMA Joint Committee meetings and will support WSP in providing administrative services to GMA 8 to ensure all required TWC and TAC joint planning deadlines and requirements, and the requirements of the Administrative Procedures adopted by GMA 8 are met. B&A will support WSP in preparation of written progress reports to GMA 8, as required by WSP.

The cost estimate assumes that James Beach will attend ten GMA 8 meeting, and Velma Danielson will attend five meetings. Any additional meeting(s) that attended on behalf of GMA 8 will be billed on a per meeting basis.

### TASK 2 – MODELING AND TECHNICAL ASSISTANCE RELATED TO DFCs

WSP will perform modeling using the accepted TWDB model for the Trinity and Woodbine aquifers. Datasets and pertinent intermediate files will be retained to ensure reproducibility. WSP will work to develop understandable graphics, tables, and maps to help GMA 8 understand the data going into the model and the results from the models. All modeling efforts will be well-documented to ensure transparency and reproducibility. We will work with GCDs as necessary to develop pumping files to ensure the model is consistent with their desires and that of GMA 8. WSP will work with GMA 8, the TWDB and each GCD as necessary to work through any potential debates regarding model application or assumptions to the satisfaction of GMA 8.



Because it is difficult to scope and budget every potential GAM run that might be needed for the project, the scope and budget will incorporate only one model run (Run 3.1 (Round 3, Run 1)), which will be limited to any new pumping volumes provided by each district. The deliverable from the run will be simulated water level decline (drawdown) as was developed and reported in tabular format for the previous Explanatory Report.

Any additional runs will be considered as optional tasks, and the budget estimated based on the scope of the run, the report, results and deliverables developed from the run.

WSP assumes there will be no significant changes to the nine factors and the associated explanatory report sections. If public comments require a more detailed assessment or significant interaction and effort, WSP will prepare a budget for GMA 8 to consider.

#### *Aquifer Use and Conditions:*

WSP/B&A will rely on guidance from the GCDs regarding aquifer uses. As appropriate and to the degree authorized by GCDs, WSP/ B&A will also assess aquifer conditions and uses based upon publicly-available information, such as GCD Groundwater Management Plans, existing or new groundwater availability model runs, other TWDB information, the 2017 State Water Plan and information available regarding the 2021 regional water planning efforts, to show current groundwater demands and use levels in each county and across GMA 8.

#### *State Water Plan Needs and Strategies:*

The team will summarize existing and new water supply needs and water management strategies based upon GDC Groundwater Management Plans, the 2017 State Water Plan and potentially information available from the 2021 regional water plans. B&A will support WSP in obtaining GMA 8 input, and with preparing and presenting a written report at a GMA 8 meeting.

#### *Hydrological Conditions:*

WSP will analyze and summarize information from GCD Groundwater Management Plans, existing or new groundwater availability model runs, including estimates of average annual recharge to the aquifer, average annual discharge from wells and springs including discharge to any surface water bodies or streams, annual flow volume into and out of the aquifer, and total estimated recoverable storage from the Texas Water Development Board.

#### *Environmental Impacts:*

The team will assess existing information, including GAM runs to assess interactions between groundwater and surface water, identify any possible impacts of the DFC on potential environmental assets including groundwater and surface water interactions, and prepare an assessment to be included in the explanatory report. We don't anticipate significant change to the Explanatory Report, but will work with GCDs to address the issue as appropriate.

#### *Subsidence Impacts:*

WSP will use the recently published subsidence report and analysis tool to determine potential impacts of the proposed DFCs on subsidence and provide a written report to the Committee.





Socioeconomic Impacts:

The team will gather existing information and prepare documentation to describe socioeconomic impacts reasonably expected to occur with the adoption and implementation of proposed DFCS within GMA 8. B&A will prepare a summary of socioeconomic information related to water planning in general for WSP review and comment. B&A will support WSP in obtaining GMA 8 input, and with preparing and presenting a written report at a GMA 8 meeting.

Private Property Impacts:

Our team will rely heavily on GCDs and their legal teams to help assess private property impacts and will document how GMA 8 considered this factor during the process to set the DFCS in the explanatory report. We don't anticipate significant change to the Explanatory Report, and will allow district attorneys to address the issue as appropriate.

DFC Feasibility:

In conjunction with the GCDs and their legal team, WSP will evaluate the feasibility of achieving the DFCS, based on the aquifer's hydrogeology, the GCDs' authority to manage pumping and use, water level and use monitoring, and present that information to GMA 8, along with a discussion of possible approaches to assess feasibility.

### TASK 3 – EXPLANATORY REPORT

The WSP Team will prepare the explanatory report with the guidance of GMA 8 and their legal teams to ensure that the explanatory report adheres to the requirements of Chapter 36 and communicates the level of detail appropriate for GMA 8.

Components of the ER that will require updating include but are not limited to:

- Addition of the Cross Timbers aquifer DFCS discussion or non-relevant discussion (or both) to section 3.0 and or 6.0
- Factor Considerations – Section 3.2: 1) Subsidence impacts – the discussion needs to incorporate analyses results from the subsidence tool, and 2) Socioeconomic impacts – some of the language incorporated in this section may be updated
- Section 5.0 – Recommendations by Advisory Committees and Public Comments will likely be replaced in entirety or appended with relevant material
- Tables and figures: WSP assumes that many of the tables will be updated and re-formatted. WSP also assumes that only the figures that require updating will be replaced.
- Appendices: There are 42 unique appendices. WSP will update appendices as necessary for new model runs or other relevant changes to the Explanatory Report.

### TASK 4 – TECHNICAL SUPPORT AFTER DFC ADOPTION

The team will assist GMA 8 after the DFCS are adopted to help navigate any potential comments from TWDB or any other issues that might arise because of the adopted DFCS or modeling runs.



**OPTIONAL TASK – ADDITIONAL MEETINGS**

If GMA 8 would like WSP to attend more than ten meetings on their behalf, WSP will charge GMA 8 a flat rate of \_\_\_\_ for each additional meeting.

**OPTIONAL TASK – ADDITIONAL MODEL RUNS**

The cost of an additional model run will depend on the complexity of the desired model run. The cost of any potential additional model run will be estimated based upon the specifications of the request. These cost estimates will be provided by WSP as needed throughout the project.

**OPTIONAL TASK – SB 1010 COMPARISON REPORT**

If SB 1010 is passed, and if a report is needed by GMA 8 within a reasonable timeframe within this round of joint planning, WSP can support the development of the report. We will provide GMA 8 with a proposed scope and budget for this optional task upon request.

WSP suggests using a District survey modeled after the questionnaire developed by GMA 1. WSP suggests presentation of the survey data in a tabular matrix (see below) that would be populated per GCD.

<b>GCD</b>	<b>COUNTIES</b>	<b>WELL PRODUCTION FOR SPACING (GPM)</b>	<b>MINIMUM WELL SPACING FROM EXISTING WELLS (FEET)</b>	<b>MINIMUM SPACING FROM PROPERTY LINES (FEET)</b>	<b>PRODUCTION LIMITS</b>	<b>TOTAL MAG VOLUMES (AFY)</b>	<b>DFCS (TOTAL 50-YR FEET OF DRAWDOWN)</b>	<b>EXEMPT WELLS</b>	<b>MINIMUM TRACT SIZE</b>
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**ASSUMPTIONS:**

Our scope and cost estimate are based on 2018 requirements in Chapter 36 and does not include any effort needed to address requirements that may result from the 86<sup>th</sup> Texas Legislative Session or interim efforts.

**EXHIBIT B**

<b>GMA 8 Cost Estimate for DFC Development and Adoption and Update of Explanatory Report</b>		<b>Task Total</b>
<b>Task #</b>	<b>Description</b>	
<b>1- MEETINGS</b>		<b>\$ 40,700</b>
	MEETINGS (10 meetings)	\$ 32,900
	Meeting - Prep & Post	\$ 7,800
<b>2 &amp; 3 - TECHNICAL AND EXPLANATORY REPORT UPDATE</b>		<b>\$ 55,494</b>
	One Model Run	\$ 7,680
	Aquifer Use and Conditions	\$ 5,538
	Hydrologic Conditions	\$ 5,538
	SWP Needs and Strategies	\$ 3,910
	Environmental Impacts	\$ 4,650
	Subsidence Impacts	\$ 1,958
	Socioeconomic Impacts	\$ 4,180
	Private Property Impacts	\$ 1,410
	DFC Feasibility	\$ 1,740
	Other Relevant Information	\$ 1,740
	Explanatory Report	\$ 17,140
<b>4 - TECH SUPPORT AFTER ADOPTION</b>		<b>\$ 3,736</b>
	As needed	\$ 3,736
	<b>Total (optional costs not included)</b>	<b>\$ 99,920</b>

ATTACHMENT 10

## North Texas Groundwater Conservation District

### Well Registration Summary As of February-28-2019

Well Type	Total Registered			Total NTGCD	New Registrations since Jan-31-2019
	Collin County	Cooke County	Denton County		
Agriculture	8	12	40	60	1
Commercial / Small Business	6	8	35	49	0
Domestic Use (household / lawn watering at residence)	75	387	680	1145	9
Filling a pond or other surface impoundment**	46	15	92	154	0
Golf course irrigation	15	2	21	38	0
Industrial / Manufacturing	8	11	8	28	0
Irrigation	85	4	178	267	0
Leachate	0	0	0	0	0
Livestock Watering	7	64	51	122	0
Monitoring	0	0	0	0	0
Municipal / Public Water System	34	74	225	334	0
Other	11	7	31	49	0
Piezometer	0	0	0	0	0
Poultry	0	0	0	0	0
Solely to supply water for rig actively***	1	1	7	9	0
Supplying water for oil or gas production*	0	5	63	68	0
Not Specified	17	9	41	67	0
<b>SUM</b>	<b>313</b>	<b>599</b>	<b>1472</b>	<b>2390</b>	<b>10</b>

North Texas Groundwater Conservation District

Well Registration Summary  
As of March-31-2019

Well Type	Total Registered	Total Registered	Total Registered	Total NTGCD	New Registrations
	Collin County	Cooke County	Denton County		since Feb-28-2019
Agriculture	8	12	41	61	1
Commercial / Small Business	6	8	35	49	0
Domestic Use (household / lawn watering at residence)	79	391	687	1160	17
Filling a pond or other surface impoundment**	46	15	92	154	0
Golf course irrigation	15	2	21	38	0
Industrial / Manufacturing	8	11	8	28	0
Irrigation	87	4	180	271	3
Leachate	0	0	0	0	0
Livestock Watering	7	64	52	123	1
Monitoring	0	0	0	0	0
Municipal / Public Water System	34	74	228	337	2
Other	11	7	32	50	1
Piezometer	0	0	0	0	0
Poultry	0	0	0	0	0
Solely to supply water for rig actively***	1	1	7	9	0
Supplying water for oil or gas production*	0	5	63	68	0
Not Specified	18	9	41	68	3
SUM	320	603	1487	2416	28

ADJOURN